

**IN THE SPECIFICATION:**

Please insert the following paragraph and subheading on page 1,  
after the title:

The present application claims priority under 35 U.S.C. §119 to  
Japanese Patent Application No. 2002-218779, filed July 26, 2002,  
the entire disclosure of which is hereby incorporated by reference.

**BACKGROUND OF THE INVENTION**

Please amend the subheading on page 1, line 11, as follows:

**BACKGROUND DESCRIPTION OF THE INVENTION RELATED ART**

Please amend the paragraph beginning on page 6, line 4, as  
follows:

For instance, US U.S. Patent No. 5,363,108 to Fullerton, titled  
"TIME DOMAIN RADIO TRANSMISSION SYSTEM", discloses a technique for  
communication and a radar device utilizing impulse radio, as  
illustrated in a block diagram in Fig. 10.

Please amend the subheading on page 10, line 16, as follows:

**DESCRIPTION OF THE EMBODIMENTS INVENTION**

**IN THE ABSTRACT:**

Please **substitute** the attached **Abstract** for that originally filed.